



Piney Meetinghouse Road Bridge

(P501522)

Category	Transportation	Date Last Modified	12/21/23
SubCategory	Bridges	Administering Agency	Transportation
Planning Area	Travilah and Vicinity	Status	Final Design Stage

EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY23	Est FY24	Total 6 Years	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	Beyond 6 Years
Planning, Design and Supervision	523	346	177	-	-	-	-	-	-	-	-
Land	93	1	92	-	-	-	-	-	-	-	-
Site Improvements and Utilities	282	-	282	-	-	-	-	-	-	-	-
Construction	2,857	2,857	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	3,755	3,204	551	-	-	-	-	-	-	-	-

FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY23	Est FY24	Total 6 Years	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	Beyond 6 Years
Federal Aid	2,807	2,289	518	-	-	-	-	-	-	-	-
G.O. Bonds	948	915	33	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	3,755	3,204	551	-	-	-	-	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 25 Request	-	Year First Appropriation	FY15
Appropriation FY 26 Request	-	Last FY's Cost Estimate	3,755
Cumulative Appropriation	3,755		
Expenditure / Encumbrances	3,487		
Unencumbered Balance	268		

PROJECT DESCRIPTION

This project provides for the replacement of the existing Piney Meetinghouse Road Bridge over Watts Branch. The existing bridge, built in 1950, is a single span concrete T-Beam structure carrying a 24 foot roadway. The proposed replacement bridge includes a single span prestressed concrete New England Extreme Tee (NEXT) beam structure carrying a 24 foot roadway and a 4 foot shoulder on each side. This width will allow for the implementation of safe on-road bicycling, in accordance with the Master Plan. The project includes approach roadway work at each end of the bridge as necessary to tie-in to the existing roadway. The bridge and road will be closed to traffic during construction. Accelerated bridge construction techniques will be utilized to minimize the disruption to the traveling public and local community.

LOCATION

The project site is located approximately 2,600 feet north of the intersection of River Road and Piney Meetinghouse Road.

CAPACITY

The roadway Average Daily Traffic (ADT) is approximately 5,400 vehicles and the roadway capacity will not change as a result of this project.

ESTIMATED SCHEDULE

This project is complete and is awaiting reimbursement from the Maryland Department of Transportation.

PROJECT JUSTIFICATION

The proposed replacement work is necessary to provide a safe roadway condition for the travelling public. The 2011 bridge inspection revealed that the concrete T-beams are in poor condition. All beams have several horizontal cracks with heavy efflorescence approximately 2 inches below the underside of the deck. The beams have several isolated spalls with exposed rebar. The undersides of the beams have moderate to severe scaling with exposed stirrups at several locations. All four wingwalls have a 1 foot 6 inch high band of minor scaling above the waterline. There are heavy efflorescence and spalls for both abutments. The bridge is considered structurally deficient. Implementation of this project would allow the bridge to be restored to full capacity. The Potomac Subregion Master Plan designates Piney Meetinghouse Road as Arterial (A-34) with a minimum right-of-way of 80 feet. The Countywide Bikeways Functional Master Plan calls for dual bikeway shared use path and signed shared roadway (DB-23). A review of impacts to pedestrians, bicyclists and the requirements of the ADA (American with Disabilities Act of 1991) has been performed and addressed by this project. Streetlights, crosswalks, sidewalk ramps, bikeways and other pertinent issues are being considered in the design of the project to ensure pedestrian safety.

OTHER

The design costs for this project are covered in the Bridge Design project (No. 509132).

FISCAL NOTE

The costs of bridge construction and construction management for this project are eligible for up to 80 percent Federal Aid. In FY18, \$270,000 in GO Bonds was transferred to the Park Valley Road Bridge Project (P501523).

DISCLOSURES

A pedestrian impact analysis has been completed for this project.

COORDINATION

Federal Highway Administration Federal Aid Bridge Replacement/Rehabilitation Program Maryland State Highway Administration
Maryland Department of the Environment Maryland National Capital Park and Planning Commission Montgomery County
Department of Permitting Services Utilities Bridge Design Project CIP 509132